

**SANDY CITY CORPORATION
10000 CENTENNIAL PARKWAY
SANDY, UTAH 84070
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF PURCHASING
JULY 2009**

REQUEST FOR PROPOSAL:

POLICE IN-CAR VIDEO SYSTEM

The review of proposals may be a multi-step process. Proposals will be opened privately by the Purchasing Agent and user department to determine the functional requirements of the City are met. The City will then determine if top vendors will make formal presentations. The City does not guarantee or represent a purchase will take place and specifically reserves the right to conclude the bid process without accepting a proposal. Quantities stated are only estimates and should not to be construed as a guaranteed number. Contract negotiations will considered an integral part of the RFP. An award will only be made after appropriate approvals have been received.

THIS IS NOT AN ORDER

REQUIREMENTS:

* Sealed Proposals must be received by the Purchasing Department, 10000 Centennial Parkway, Room 330, Sandy Utah no later than **11:00 AM Wednesday, August 5, 2009**. Proposals should reflect the best and most competitive offers. However, Sandy City reserves the right to negotiate best offers prior to final award. Proposals received after the deadline shall not be considered and will be returned to the bidder unopened.

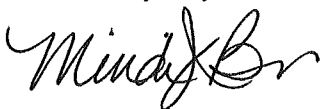
* Proposals must be submitted in a sealed envelope or container clearly marked with the project name and vendors name and address.

* Submit four (4) copies of your proposal.

* For further bid information contact Mindi Bos, Purchasing 568-7148, for product information, Captain Kevin Thacker, 568-7207.

The right is reserved to reject all proposals, to waive any informality or technicality or to accept proposals deemed in the best interest of Sandy City Corporation. All proposals that meet, exceed or are comparable to minimum specifications will be accepted.

For Sandy City



Mindi J. Bos
Purchasing Agent

POLICE PATROL CAR VIDEO SYSTEM

1.0.01 PURPOSE

The purpose of this specification is to establish a minimum standard of quality for the Sandy City Police Department's digital patrol car video system program.

2.0.0 SCOPE

These specifications cover a video system designed to digitally record audio/visual and use a wireless download system of traffic stops, pursuits, DUI. tests, etc. The City estimates they will order Fifteen (15) units as specified. The camera system will be mounted in the vehicle by an approved Sandy City vendor with training for the installation to be provided by the winning camera vendor. The awarded vendor will be responsible for all handling and delivery charges.

3.0.0 VIDEO SYSTEM BID REQUIREMENTS

3.1.0. Sample and Demonstration. Bidder may be required to furnish a complete sample unit for examination and testing. A sample unit of the exact configuration proposed by the vendor, must be provided within two weeks, upon request of the Sandy City Police Department.

3.2.0. Performance Testing and Product Evaluation. The digital patrol car video system may be field and laboratory tested to verify its acceptable level of performance and conformity to specifications. Emphasis will be placed on the video system's ability to maintain consistent recording quality, while subject to interference from the following sources:

3.2.1. High powered television stations

3.2.2. Other radio frequency interference sources including UHF, VHF, and HF transmitters

3.2.3. Automobile alternator, ignition and electrical systems

3.2.4. Automobile air conditioner fan motor

3.2.5. High voltage power lines, traffic signals, neon signs, etc.

The Sandy City Police Department also reserves the right to have the digital video system examined by any other qualified agency, for acceptable design, construction fabrication and assembly methods.

3.3.0 Patent Infringement. The Seller shall indemnify and save harmless the Sandy City Police Department and all persons acting for or on their behalf from all suits and claims against them, or any of them, arising from or occasioned by the use of any material, equipment, or apparatus, or any part thereof, which infringes or is alleged

to infringe on any patent rights. In case such material, equipment, or apparatus, or any part thereof, in any such suit is held to constitute infringement, the Seller, within a reasonable time, will at its expense, and as the agencies may elect, replace such material, equipment, or apparatus with non-infringing material, equipment, or apparatus, or remove the material, equipment, or apparatus, and refund the sums paid therefor.

- 3.4.0. **Format of Bid Response.** The specifications include an area to indicate compliance. Bidder shall submit with his response, a copy of the specifications, indicating for each paragraph whether his system complies or not. For those paragraphs of the response marked "We do not comply", the bidder shall provide a full explanation of the area of noncompliance, and may propose an alternative response, at the option of the bidder. However, if the bidder's equipment exceeds any portion of this specification, he shall also note this and furnish full information. Bidder shall also state manufacturer and model number of the recorder camera, monitor, and wireless microphone.
- 3.5.0 **Failure to Comply.** Bids not in compliance with the format of bid response, item 3.4.0 will be rejected.
- 3.6.0 **Signature.** All bids shall include a signature attesting to the accuracy of the response. This signature page is included at the end of the system specifications.
- 3.7.0. **Warranty.** Provide detailed warranty information (what is covered, for how long). Can this warranty be extended and for how long, at what cost? Give local vendors where this equipment would be serviced if necessary.
- 3.8.0. **Delivery.** State delivery time after receipt of order. Are there additional costs for shipping? If so, state per unit cost. What carrier will be used?
- 3.9.0. **Installation.** Does your proposal include all parts and equipment needed for installation? The City will have the equipment installed by a third party approved vendor. Your company will be responsible to train that vendor with all information necessary to successfully install the equipment.

Sandy City Police

In-Car Video System Specifications

1.0. **Full Production Model** – The Digital Video Recorder (DVR) offered shall be in full commercial production. **Would like to be used on Motorcycles as well as in cars.** Prototypes will not be considered. It must work with our current infrastructure. See 5.1

1.1. **Maintenance** – The DVR shall not have any maintenance scheduled for the first three (3) years of operation.

1.2. **Vehicle Modifications** – No permanent modifications shall be required To install the complete DVR system.

1.3. **Installation** – The complete DVR shall be capable of being installed entirely within the cab of the police vehicle. *DVR Specifications*

2.0. **Construction** – The DVR shall be enclosed in a steel enclosure that is capable of being installed under the seat of the police vehicle, or on the “cage” or in the trunk. Define where if you can do Motorcycles.

2.1. **Vehicle Modifications** – No permanent modifications shall be required to install the DVR.

2.2. **Tamper Resistant** – The DVR shall include a metal key-lock to prevent unauthorized access.

2.3. **Processor** – The DVR shall be based on a digital signal processor (DSP) specifically designed for video processing; it shall not be based on an x86, PowerPC or similar processor architecture.

2.4. **Operating System** – The DVR shall use a real-time operating system; it shall not use a general purpose operating system designed for personal computers.

2.5. **Record Time** – The DVR shall have the ability to record up to thirty-six (36) hours of video before reaching the capacity of the system’s standard hard drive.

2.6. **Activation** – The DVR shall be capable of initiating a recording by both automatic and manual means. The DVR shall begin recording automatically when any of the following are activated:

- vehicle’s emergency/pursuit lights
- vehicle’s siren
- system’s wireless audio transmitter
- system’s integrated crash sensor

2.7. **Video / Audio Inputs** – The DVR shall be capable of recording two video Inputs. 720x480 resolution simultaneously. Additionally, the DVR shall be capable of recording two audio inputs, Simultaneously

YES

NO

Yes

No

2.8. **Video Recordings** – The two video inputs shall record images from a powerful zoom, forward-facing camera and a wide-angle rear-facing camera.

2.9. **Audio Recordings** – The audio input associated with the forward-facing camera shall record audio automatically from a wireless microphone this should have a range of 1000 feet.

2.10. **Patented Pre-Event Recording (U.S. Patent No. 6,389,340)** – The DVR shall automatically capture up to 60 seconds of video *before* the system was activated. This shall occur regardless of the means by which the system was activated (either automatic or manual activation).

2.11. **GPS Mapping Support** – The DVR shall be capable of supplying GPS information to an external device (e.g. a mobile data terminal equipped with GPS mapping software).

2.12. **Playback** – The DVR shall allow video playback in the police vehicle. Recorded videos shall be able to be accessed in chronological order or by filename.

2.13. **Files Indexed** – The DVR shall incorporate the following information in The File index of recorded video files:

- Department ID and Officer ID Date and Time & Unit number & event.

2.14. **Video Integrity** – The DVR shall provide a means to ensure the integrity of the recorded video has not been compromised. The video must be able to be authenticated at any time, including when it is played back outside of the police vehicle.

2.15. **File Protection** – The DVR must not allow any recorded video files to be overwritten.

2.16. **Graceful Power Down** – In the event the power switch is turned off while A recording is taking place, the DVR shall maintain the system power until all recordings have been stopped.

2.17. **External Indicators** – The DVR shall include indicators visible outside of the vehicle to confirm that the system is recording and that the wireless audio transmitter is activated.

2.18. **Auxiliary Data** – The DVR shall be capable of recording the following information with each video.

- Department ID and Officer ID
- Date and Time
- Latitude and Longitude
- Patrol Speed and Target Speed
- System Indicators (wireless audio transmitter, vehicle brakes, emergency/pursuit lights, siren)

	Yes	No
2.19. Auto Zoom – The DVR shall provide an auto zoom feature that, with a single key press, automatically zooms the forward-facing camera to a user-defined telephoto position, pauses, captures a still image, and returns to a userdefined wide-angle position.		
2.20. User Identification – The DVR shall allow the Department ID and Officer IDs to be entered using an on-screen menu.		
2.21. Supervisor's Key or code – The DVR shall utilize a supervisor's key as a security feature to prevent unauthorized users from accessing the on-screen menus to adjust video settings, perform file management functions, etc.		
2.22. System Updates – The Control Center firmware shall allow in-system programming to allow for future updates. The DVR shall allow software updates to be made using the optional wireless interface.		
2.23. Video Upload – The DVR shall provide automatic video upload to the server once the physical connection has been established. Must have a wireless upload interface capability.		
2.24. Integrated Crash Sensor – The DVR shall include integrated crash sensors covering 360o, to trigger recordings, without requiring any connection to the vehicle's airbag system.		
2.25. GPS Date and Time Synchronization – The DVR shall receive its Date and Time from GPS Satellites, ensuring that all of the vehicles in a fleet are synchronized to the correct time. Daylight Saving Time shall be automatically accounted for in applicable geographic areas.		
2.26. Video Categories - Video files shall be able to be categorized into department-defined categories. (An example would be an <i>Offense</i> category with items such as <i>DUI</i> , <i>Traffic Violation</i> , etc.) Once a recording is stopped, the DVR shall automatically prompt the officer to select from the pre-defined drop-down list(s). Video Category information shall be uploaded along with the video file to the server, where it can be used for searching.		
2.27. Minimal Obstruction – The size and mounting location of the front-facing camera shall not obstruct the driver's view or provide any obstruction of factory-installed airbags.		
2.28. Minimal Obstruction – The mounting location of the monitor supplied for view-finding and playback shall not obstruct the driver's view or provide any obstruction of factory-installed airbags.		
2.29 Internal Microphones – The control center shall contain at least one internal microphones to record audio from inside the police vehicle.		
3.1. System Activation – The wireless audio transmitter shall be capable of automatically activating the DVR system; and, the wireless audio transmitter shall be capable of being activated by the DVR system when a recording is started.		

	Yes	No
<p>3.2. Battery – The wireless audio transmitter shall use a Lithium-ion battery that may be recharged in the police vehicle. The wireless audio transmitter must be capable of operating for a minimum of 10 hours on a single battery charge.</p>		
<p>3.3. Operating Range – The operating distance of the wireless audio transmitter shall be a minimum of 1000 feet under line-of-sight conditions.</p>		
<p>4.0. Database – The Video Management Software shall maintain a database that contains a record for each recorded video file. The database shall store sufficient information to support the search capabilities listed in 4.1 and to provide chain-of-evidence documentation.</p>		
<p>4.1. Search Capabilities – The Video Management Software shall be capable of searching stored video files by:</p> <ul style="list-style-type: none"> • Department ID • Officer ID • Camera • Range of Dates • Range of Times • Custom Fields • Video Categories • Recording Mode (Active, Standby, or Still) • Status (Online or Archived) 		
<p>4.2. Video Categories – The Video Management Software shall allow videos to be categorized.</p>		
<p>4.3. Video Viewer – The Video Management Software shall provide a video viewer to playback recorded video files. Along with the recorded video file the viewer shall display the following information:</p> <ul style="list-style-type: none"> • Department ID and Officer ID and Unit Number • Date and Time • Latitude and Longitude • Patrol Speed and Target Speed (with optional radar interface) • System Indicators (wireless audio transmitter, vehicle brakes, emergency/pursuit lights, siren) 		
<p>4.4. Video Integrity – The Video Management Software shall provide a means to ensure the integrity of the recorded video. Video integrity must be checked when the video is uploaded, anytime it is played back or archived, and shall be verifiable on demand.</p>		
<p>4.5. Network Access – The Video Management Software shall allow authorized personnel to access the recorded video files on any networked workstation.</p>		
<p>4.6. Stand-Alone Viewer – The Video Management Software shall provide a stand-alone video viewer to allow recorded video files to be played on any computer. This viewer shall be able to be easily added to any digital media to accompany the recorded video files.</p>		

	Yes	No
<p>4.7. Distribution / Archive – The Video Management Software shall be capable of archiving recorded video files to CD, DVD-RAM, removable hard drive, digital data tape, any networked Windows device.</p>		
<p>4.8. DVD Authoring – The Video Management Software shall be capable of converting a video from the proprietary format to the standard DVD Video format, and authoring a DVD capable of being played in a standard DVD player.</p>		
<p>5.1 Current Infrastructure – Dell server running windows 2003 server with a power vault extended storage total disk space is 3 T. 1Gig switch with Cat 5e wiring and 8 docking stations. Not wireless but moving to wireless.</p>		
<p>Motorcycles - If you say yes to Motorcycles, you must have a working commercial unit in production.</p>		
<p>Warranty – All bid must include 3 years of hardware warranty. (this must include the cars hardware and the wireless upload hardware & server software).</p>		
<p>Support- for three years on the Video Management Software and the in car hardware. Free upgrades during the support contract. Which shall be provided 8 X 5 mountain standard time. <i>Documentation and Training</i></p>		
<p>Documentation- User manuals will be provided for each system.</p>		
<p>Training- On site training for department employees, local service and/or Installation providers.</p>		